

CLAIMS

What is claimed is:

1. A method for generating a CD8+ T cell immune response in a mammal against at least one target antigen, comprising administering to said mammal at least
5 one dose of each of the following:
 - (i) a priming composition comprising a source of one or more CD8+ T cell epitopes of the target antigen; and
 - (ii) a boosting composition comprising a source of one or more CD8+ T cell
10 epitopes of the target antigen, including at least one CD8+ T cell epitope which is the same as a CD8+ T cell epitope of the priming composition, wherein the source of CD8+ T cell epitopes is a non-replicating or replication-impaired recombinant virus vector in the mammal;
with the proviso that if the source of epitopes in (i) is a viral vector, the viral vector in (ii) is derived from a different virus.
- 15 2 The method according to claim 1, wherein the boosting composition of (ii) is delivered intravenously, intraepidermally or intradermally.
- 3 The method of Claim 1 which further comprises administering an adjuvant.
4. The method of Claim 3 wherein the adjuvant is SBAS2.

5. The method of Claim 1 wherein the CD8+ T cell epitopes are one or more epitope strings comprising an amino acid sequence selected from the group consisting of: SEQ ID Nos: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40 and 42-64 or comprising an amino acid sequence encoded by a nucleotide sequence selected from the group consisting of: SEQ ID NOs: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37 and 39.